

03/26/99

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Approved for use through 09/30/2000. CMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))</small>	<b>Attorney Docket No.</b> TSRI 433.1 Div 4
	<b>First Inventor or Application Identifier</b> Sherman
	<b>Title</b> IN VIVO ACTIVATION OF TUMOR SPECIFIC.
	<b>Express Mail Label No.</b> EL193838826US

PTO/SB/05 (2/88)  
03/26/99

**APPLICATION ELEMENTS**  
See MPEP chapter 600 concerning utility patent application contents.

1. <input checked="" type="checkbox"/> * Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)	6. <input type="checkbox"/> Microfiche Computer Program (Appendix)
2. <input checked="" type="checkbox"/> Specification [Total Pages 130] (preferred arrangement set forth below) <ul style="list-style-type: none"><li>- Descriptive title of the invention</li><li>- Cross References to Related Applications</li><li>- Statement Regarding Fed sponsored R &amp; D</li><li>- Reference to Microfiche Appendix</li><li>- Background of the invention</li><li>- Brief Summary of the invention</li><li>- Brief Description of the Drawings (if filed)</li><li>- Detailed Description</li><li>- Claim(s)</li><li>- Abstract of the Disclosure</li></ul>	7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ul style="list-style-type: none"><li>a. <input type="checkbox"/> Computer Readable Copy</li><li>b. <input type="checkbox"/> Paper Copy (identical to computer copy)</li><li>c. <input type="checkbox"/> Statement verifying identity of above copies</li></ul>
<input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 22]	
3. Oath or Declaration [Total Pages ] <ul style="list-style-type: none"><li>a. <input type="checkbox"/> Newly executed (original or copy)</li><li>b. <input checked="" type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 17 completed) [Note Box 5 below]<ul style="list-style-type: none"><li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).</li></ul></li></ul>	
<input checked="" type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.	

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

8. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))
9. <input type="checkbox"/> 37 C.F.R. §3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney
10. <input type="checkbox"/> English Translation Document (if applicable)
11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations
12. <input checked="" type="checkbox"/> Preliminary Amendment
13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) <ul style="list-style-type: none"><li>* Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application, Status still proper and desired (PTO/SB/09-12)</li></ul>
14. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)
15. <input type="checkbox"/> Other: Certificate of Express Mail, Assoc. Power of Attorney

**ACCOMPANYING APPLICATION PARTS**

16. <input checked="" type="checkbox"/> Other: Certificate of Express Mail, Assoc. Power of Attorney
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\* NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment

<input type="checkbox"/> Continuation	<input checked="" type="checkbox"/> Divisional	<input type="checkbox"/> Continuation-in-part (CIP)	of prior application No: 08 / 860,232
Prior application information: Examiner Y. Eyler			Group / Art Unit 1642

**18. CORRESPONDENCE ADDRESS**

☐ Customer Number or Bar Code Label or ☒ Correspondence address below  
(Insert Customer No. or Attach bar code label here)

Name	THOMAS E. NORTHRUP				
	THE SCRIPPS RESEARCH INSTITUTE				
Address	10550 North Torrey Pines Road, Mail Drop: TPC-8				
City	La Jolla	State	CA	Zip Code	92037
Country	US	Telephone	(619) 784-2937	Fax	(619) 784-9399

Name (Print/Type)	Thomas E. Northrup	Registration No. (Attorney/Agent)	33,268
Signature	Thomas E. Northrup	Date	3/26/99

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

<h2 style="margin: 0;">FEE TRANSMITTAL</h2> <h3 style="margin: 0;">for FY 1999</h3> <p style="font-size: small; margin: 0;">Patent fees are subject to annual revision. Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.</p>		<p><i>Complete if Known</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;"></td> </tr> <tr> <td>Filing Date</td> <td>March 26, 1999</td> </tr> <tr> <td>First Named Inventor</td> <td>Sherman</td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Group / Art Unit</td> <td></td> </tr> <tr> <td>Attorney Docket No.</td> <td>TSRI 433.1 Div. 4</td> </tr> </table>		Application Number		Filing Date	March 26, 1999	First Named Inventor	Sherman	Examiner Name		Group / Art Unit		Attorney Docket No.	TSRI 433.1 Div. 4
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TOTAL AMOUNT OF PAYMENT (\$)		760.00													

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)																																																																																																																				
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number: <span style="border: 1px solid black; padding: 2px;">19-0962</span></p> <p>Deposit Account Name: <span style="border: 1px solid black; padding: 2px;"></span></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:  <input checked="" type="checkbox"/> Check    <input type="checkbox"/> Money Order    <input type="checkbox"/> Other</p>	<h3>3. ADDITIONAL FEES</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105 130 205 65</td><td></td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127 50 227 25</td><td></td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>139 130 139 130</td><td></td><td>Non-English specification</td><td></td></tr> <tr><td>147 2,520 147 2,520</td><td></td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112 920* 112 920*</td><td></td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113 1,840* 113 1,840*</td><td></td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115 110 215 55</td><td></td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116 380 216 190</td><td></td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117 870 217 435</td><td></td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118 1,360 218 680</td><td></td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128 1,850 228 925</td><td></td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119 300 219 150</td><td></td><td>Notice of Appeal</td><td></td></tr> <tr><td>120 300 220 150</td><td></td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121 260 221 130</td><td></td><td>Request for oral hearing</td><td></td></tr> <tr><td>138 1,510 138 1,510</td><td></td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140 110 240 55</td><td></td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141 1,210 241 605</td><td></td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142 1,210 242 605</td><td></td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143 430 243 215</td><td></td><td>Design issue fee</td><td></td></tr> <tr><td>144 580 244 290</td><td></td><td>Plant issue fee</td><td></td></tr> <tr><td>122 130 122 130</td><td></td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123 50 123 50</td><td></td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126 240 126 240</td><td></td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581 40 581 40</td><td></td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146 760 246 380</td><td></td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149 760 249 380</td><td></td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td></td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td></td></tr> </tbody> </table>	Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	105 130 205 65		Surcharge - late filing fee or oath		127 50 227 25		Surcharge - late provisional filing fee or cover sheet.		139 130 139 130		Non-English specification		147 2,520 147 2,520		For filing a request for reexamination		112 920* 112 920*		Requesting publication of SIR prior to Examiner action		113 1,840* 113 1,840*		Requesting publication of SIR after Examiner action		115 110 215 55		Extension for reply within first month		116 380 216 190		Extension for reply within second month		117 870 217 435		Extension for reply within third month		118 1,360 218 680		Extension for reply within fourth month		128 1,850 228 925		Extension for reply within fifth month		119 300 219 150		Notice of Appeal		120 300 220 150		Filing a brief in support of an appeal		121 260 221 130		Request for oral hearing		138 1,510 138 1,510		Petition to institute a public use proceeding		140 110 240 55		Petition to revive - unavoidable		141 1,210 241 605		Petition to revive - unintentional		142 1,210 242 605		Utility issue fee (or reissue)		143 430 243 215		Design issue fee		144 580 244 290		Plant issue fee		122 130 122 130		Petitions to the Commissioner		123 50 123 50		Petitions related to provisional applications		126 240 126 240		Submission of Information Disclosure Stmt		581 40 581 40		Recording each patent assignment per property (times number of properties)		146 760 246 380		Filing a submission after final rejection (37 CFR 1.129(a))		149 760 249 380		For each additional invention to be examined (37 CFR 1.129(b))		Other fee (specify) _____				Other fee (specify) _____			
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SUBMITTED BY		Complete (if applicable)	
Typed or Printed Name	Thomas E. Northrup	Reg. Number	33,268
Signature	<i>Thomas E. Northrup</i>	Date	3/26/99
		Deposit Account User ID	